SALTYKOV, R.A.; REZEPOV, F.F.; ZEMSKOV, Ye.M.

Discussion of the rate of immunological response to revaccination with anatoxins. Zhur. mikrohtol., epid. i immun. 40 no.3:111-114 Mr '63. (MIRA 17:2)

SALTYKOV, R.A.; KREMIEV, G.I.; ZEMSKOV, Ye.M.

Associated immunization with live and chemical vaccines in experiments. Report No.2: Mechanism of the stimulation of antitoxin production by live EB vaccine. Zhur. mikrobiol., epid. i immun. 33 no.2:28-32 F 162. (MIRA 15:3)

(IMMUNITY)
(PLAGUE—PREVENTIVE INOCULATION)
(TOXINS AND ANTITOXINS)

SALTYKOV, R.A.; ZEMSKOV, Ye.M.; MILYUTIN, V.N.

Effect of toxins of pathogenic anaerobes on tissue cultures. Biul. eksp. biol. i med. 52 no.12:43-47 D f61. (MIRA 14:12)

1. Predstavlena deystvitel'nym chlenom AMN SSSR P.F.Zdrodovskim. (TOXINS AND ANTITOXINS) (TISSUE CULTURE)

SALTYKOV, R.A.; REZEPOV, F.F.; ZEMSKOV, Ye.M. (Moskva)

On the rate of the development of immunity following revaccination with anaerobic anatoxins. Biul.eksp.biol.i med. 47 no.8:81-84 Ag '59.

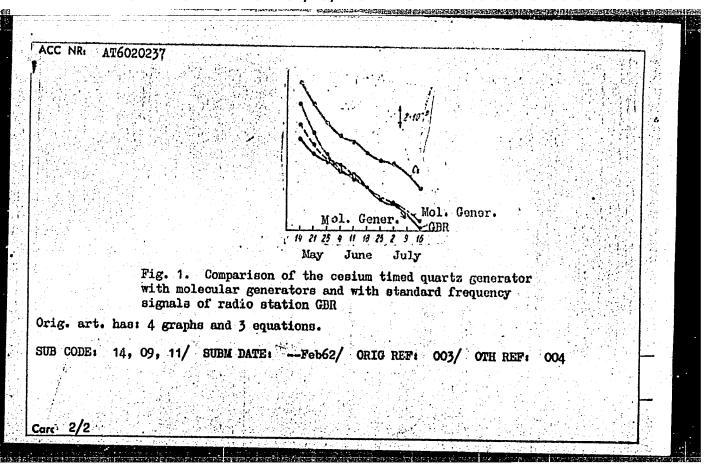
(MIRA 12:11)

1. Predstavlena deystvitel'nym chlenom AMN SSSR P.F. Zdrodovskim.

(GLOSTRIDIUM immunol.)

(VACCINES)

	ACC NR: AT6020237 (N) BOURCE CODE: UR/2589/65/000/077/0072/0075
	AUTHORS: Zemskov, Ye. M.; Sachkov, V. I. ORG: none TITLE: An experiment on the use of cesium frequency as a time standard
	SOURCE: USSR. Komitet standartov, mer i izmeritel nykh priborov. Trudy institutov Komiteta, no. 77(137), 1965. Issledovaniya v oblasti izmereniya vremeni i chastoty (Research in the field of time and frequency measurement), 72-75
1000000000000000000000000000000000000	TOPIC TAGS: cesium, quartz clock, frequency divider ABSTRACT: The performance of a cesium atom beam resonator was studied. The resonator was constructed after the method of N. Ramsey (Molekulyarnyye puchki, IL, M., 1960), and a schematic of the installation is presented. The performance of the resonator and a schematic of the installation is presented. The performance of the resonator and a schematic of the installation is presented. The performance of the resonator and the schematic of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio station tively) and with the signals of the British National Physical Laboratory radio at 10-10. GBR (see Fig. 1). It was found that the constructed cesium resonator could be used to determine the frequency of a standard quartz generator with an accuracy of 2 x 10-10.
	UDC: 539.184.26:546.36:529.781
	The state of the s



ACC NR. AP7002707

A) SOURCE CODE: UR/0115/66/000/012/0051/0053

AUTHOR: Yermakov, V. I.; Zemskov, Ye. M.; Sachkov, V. I.

ORG: none

TITLE: Some relations characterizing the beam path in a cesium frequency standard

SOURCE: Izmeritel'naya tekhnika, no. 12, 1966, 51-53

TOPIC TAGS: frequency standard, cesium frequency standard, atomic clock

ABSTRACT: Early authors! experiments with the cesium atomic-beam frequency standard involved a collimating diaphragm and were found to be unwieldy. Hence, further experiments were conducted without collimators, their functions being performed by beam slits cut in the resonators. Formulas are deduced which impose certain conditions on the widths of the slits in the resonators, source, and detector and also on the field gradient of the deflecting magnets. These conditions make possible successful operation of the frequency standard not equipped with the collimating diaphragm and having symmetrical beam deflection. These relations are derived: detector slit width

 $b_0 = 2b_n + b_n.$

$$b_{\rm M} + \frac{l_0}{l_1 + l_3 + l_3 + l_4} b_{\rm p} < \frac{4M_{\rm S}_{\rm S}_{\rm p}}{3m\,\alpha^2} \, l_{\rm s} \left(\frac{l_{\rm s}}{2} + l_{\rm s}\right)$$

 $b_{p} < \left[\frac{4 M_{a p b} \nabla B}{3 m \alpha^{a}} l_{a} \left(\frac{l_{a}}{2} : l_{i} \right) - b_{u} \right] \frac{l_{i} + l_{a} + l_{b} + l_{d}}{l_{a}}$

Card 1/2

UDC: 621.373.(083.76):546.36

ACC NR. AP7002707

The beam can be limited either by the first (from the source) or by the second resonator. If $b_n + b_p < \frac{a l_2}{v^2} (2 l_1 + l_1)$, the first resonator places the limitation; if $b_n + b_p > \frac{a l_2}{v^2} (2 l_1 + l_1)$, the scond. Here, b_n - source slit width and b_p - resonator slit width. Actually, both resonator slits act simultaneously as the beam contains atoms that have different speeds. Orig. art. has: 2 figures and 24 formulas.

SUB CODE: 09, 20 / SUBM DATE: 21Jul66 / ORIG REF: 000 / OTH REF: 001

Card 2/2

ZEMSKOV, Ye.M.

AIDTRI

Effect of the length and density of an atomic beam on the characteristics of the atomic-ray frequency standard. Izm. tekh. no.1:29-32 Ja '65. (MIRA 18:4)

SALTYKOV, R.A.; ZEMSKOV, Ye.M.

Combined immunization with living and chemical vaccines in an experiment. Report No. 1: Combined vaccination with anaerobic sorbed anatoxins and living plague and tularemia vaccines. Zhur. mikrobiol. epid. 1 immun. 31 no. 4:60-64 Ap '60. (MIRA 13:10) (PLAGUE) (TULAREMIA)

Determination of the activity of toxins of Clostridium perfringens and Cleodematiens in tissue cultures. Zhur. mikrobiol., epid. i immun. 40 no.1:69-73:63. (MIRA 16:10)

Morphology of the active and inhibitory phases of immunity in guinea pigs immunized with heated vaccine from the paratyphoid A bacillus. Biul. eksp. biol. i med. 52 no.11:80-84 N '61.

(MIRA 15:3)

1. Prodstavlona deystvitel'nym chlenom AMN SSSR N.N.
Zhukovym-Verezhnikovym.

(SALMONELLA PARATYPHI)

(VACCINES)

(INMUNITY)

SALTYKOV, R.A.; ZENSKOV, Ye.M.; NIKONOV, I.Y.

Experience in sublimation drying of concentrated sorbed anatoxins.
Zhur.mikrobiol.epid.i immun. 32 no.1:117-121 Ja '61.

(MIRA 14:6)

(TETANUS) (TOXINS AND ANTITOXINS)

ZE SKOV YE. M.

51-2-12/15 AUTHORS: Zemskov, Ye. M. and Veselago, V.G. TITLE: The Stark effect in the rotational spectra of the symmetricaltop molecules in the presence of a quadrupole bond (the ME = eQq case). (Shtark-effekt vo vrashchatel nykh spektrakh molekyl tipa asimmetrichnogo volchka pri nalichii kvadrupol'noy svyazi (sluchay Mez eQq). PERIODICAL: "Optika i Spektroskopiya" (Optics and Spectroscopy)

1957, Vol.3, No.2, pp.183-186 (U.S.S.R.) ABSTRACT: Theoretical paper. The Stark splitting is used to study the rotational spectra of the asymmetrical-top molecules. If such a molecule contains an atom whose nucleus possesses a quadrupole moment the rotational spectrum becomes very complex. The theory of the simultaneous Stark and quadrupole interaction in rotational spectra was given in /1, 2/ only for the case when one of these interactions is much larger than the other. This paper deals with the case when both interactions are of the same order, i.e. 10€ ≈ eQq. The total Hamiltonian is taken to be H = HO + HS + HQ, where HO, HS, HQ are the Hamiltonians of a free rotating molecule, the Stark interaction and the quadrupole interaction respectively. It is assumed that $(H_S + H_Q) \ll H_Q$. The case of J = 1 is treated in more detail and the relative intensities of the sublevels for the $J = 0 \rightarrow J = 1$ are given. There are three

Card 1/2

UTKIN, V.V.; ZEMSKOVA, Z.S.

Pathohistological study of the healing processes in experimental tuberculosis under the influence of cycloserine. Probl. tub. no.1: 64-70 163. (MIRA 16:5)

1. Iz Pervogo terapevticheskogo otdeleniya (zav.- deystvitel'nyy chlen AMN SSSR prof. N.A.Shmelov) i patomorfologicheskogo
otdeleniya (zav.-prof. V.I.Puzik) TSentral'nogo instituta tuberkuleza Ministerstva zdravookhraneniya SSSR, Moskva.
(TUBERCULOSIS) (CYCLOSERINE)

BALYAKINA, M.V.; ZHDANOVICH, Ye.S.; ZEMSKOVA, A.G.; PREOBRAZHENSKIY, N.A.

Synthetic research in the field of vitamins of the group B6.
Part 3: Synthesis of pyridoxine derivatives containing residues of higher aliphatic acids. Zhur.ob.khim. 32 no.4:1172-1175

Ap '62. (MIRA 15:4)

1. Vsesoyuznyy mauchno-issledovatel'skiy vitaminnyy institut.
(Pyridoxol)

LULOVA, N.I.; TARASOV, A.I.; KUDHYAVTSEVA, N.A.; ZEMSKOVA, Ye.I.

Chromatographic method of analysis of gases of petroleum refining.
Trudy Kom.anal.khim. 13:238-246 '63. (MIRA 16:5)

1. Vsesoyuanyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazi i polucheniyu zhidkogo topliva.

(Petroleum refining) (Gas chromatography)

BIDZHIYEV, R.A.; ZEMSKOVA, G.K.; KEYYAZUSKIY, I.I.; SHIRCKOVA, I.Ya.

New discoveries of Tertiary flora in central Yakutia. Trudy VAGT no.2:177-179 '56. (MIRA 10:5)

(Yakutia--Paleobotany, Stratigraphic)

TOKAREVA, L.G.; MIKHAYLOV, N.V.; POTEMKINA, Z.I.; KOVALEVA, M.V.; EORIK, A.G.; ZEMSKOVA, G.N.; ZCTOVA, Ya.B.

Stabilization of polyamide fibers. Khim.volok. no.3:15-21 '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel skiy institut iskusstvennogo volokna (for Tokareva, Mikhaylov, Potemkina, Kovaleva). 2. Klinskiy kombinat (for Borik, Zemskova). 3. Mytishchinskiy zavod (for Zotova).

(Textile fibers, Synthetic)

KUCHEROV, V.F.; GRIGOR'YEVA, N.Ya.; ZEMSKOVA, I.I.

Conjugation factors in cyclic systems. Part 2: Isomerization of dobule bonds in dimethyl- \$\Delta^{1/4}\$ -cyclohexadiene-1,2-dicarboxylic acids. Zhur. ob. khim. 31 no. 2:457-469 F '61. (MIRA 14:2)

1. Institut organicheskoy khimii AN SSSR.
(Cyclohexadienedicarboxylic acid) (Chemical bonds)

NEGREYEV, V.F.; GADZHIYEVA, R.G.; SINITSYNA, Yu.Ye.; Prinimali uchastiye: ZEMSKOVA, L.N.; ALEKPEROVA, Yu.A.

Selecting the protective coating system for hydraulic engineering structures operated in seawater. Lakokras.mat. i ikh prim. no.2: 40-44 '64. (MIRA 17:4)

NECRETEV, V.F., ZEMSKOVA, L.N.

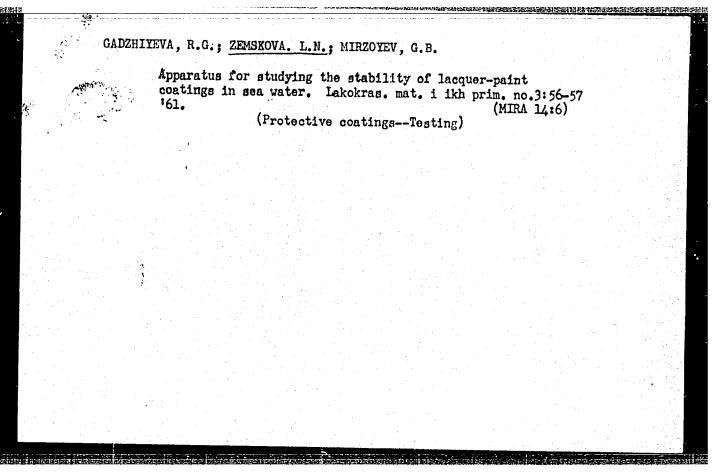
Gorrosion protection in offshore oil fields. Azerb.neft.khoz.35
no.9:44-45 S * 156. (MLRA 9:12)

(Oil well drilling, Submarine) (Corrosion and anticorrosives)

CADZHIYEVA, R.G.: ZEMSKOVA, L.N.

Paint for protecting marine structure piling. Azerb.neft.khoz.
36 no.3:42-43 Mr '57. (MLRA 10:5)

(Corrosion and Anticorrosives)



Cylind roma of the trachea. Vest.oto-rin. 15 no.4:87 J1-Ag '53.

(MLHA 6:9)

1. Klinika bolesney ukha, gorla i nosa Kiyevskogo meditsinskogo stomatologi-cheskogo instituta, na baze 3-y ob edinennoy klinicheskoy bol'nitsy Kiyeva.

(Trachea--Tumors)

MELAMED, S.G.; ZEMSKOVA, M.G.

Atlas of spectral lines of rare earth elements (for DFS-3 and DFS-13 spectrographs). Izv. AN SSSR. Ser. fiz. 26 no.7:970-971 Jl '62. (MIRA 15:8)

(Rare earths---Spectra)

Cart 1/7		Jack, and A.K. Puesare. Specinographic Determination of Boron in Lirection.	Tyrishtyr, 1:19., G.V., Mibbaylows, N.V., Abbasagos, and Ya. I. Rutseab Metada of Spectral Paternization of You, Calcius, Magnessius, Chrusius, Stebal, Silicon, and Perm in Electrics	Zireculus in Gre	F 23		Apphinter D.L., E.M. Cornettern, L.V. Bortsons, M.R. Yolysets, T.V. Egyler, and T. I. Kitsender, Spectrolimical Method of Determining Riconth, Calaium, Antimony, Tin and Leaf in Metallic Tangeten, Michian, and Tantalian Spectra, L.M., Toff. Likebyrich-Termoors, and O.V. Dimon. Determination	ALECTION OF A M. TALECTOR, and [A. ALECTIONADA. DEFINITION OF A REPORT OF A RE	2	ition of Altrogen Mercad	ty seesis. Also discussed are many type pretroduction and luminescence of the order	Lesp. Eds.: A.F. Yanogrador, Accelentian, and D.T. Ryabchilor, Doctor of Chest Sciences; Ed. of Publishing House; M.P. Yolynsts; Tech. Ed.: T.Y. Folynkor; PHIPOLE: This collection of articles is intended for cheststs, metallurgists, engineers. CONTENT. The articles describe methods for detection and determining various	arteria.	
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LIVSHITS, TS.A. [Livshyts, TS.A.], kand.med.nauk; ZEMTSOVA, N.O.; FRANZHOLI, N.N.; SHVABOVSKIY, V.A. [Shvabovs'kyi, V.A.]

Intraosseous drip infusion of saline solutions for infants. Ped., akush. i gin. 19 no.3:28-29 '57. (MIRA 13:1)

1. L'vovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (direktor - I.D. Yashchuk) na baze Oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - I.A. Karagodin). (INJECTIONS, SALINE)

BOBKOVA, T.P., prepodavatel kursov kroyki i shit'ya; GURBO, A.I., prepodavatel kursov kroyki i shit'ya; ZHIVAYEVA, Ye.I., prepodavatel kursov kroyki i shit'ya; ZEMSKOVA, O.V., prepodavatel kursov kroyki i shit'ya; IXSENKO, A.V., prepodavatel kursov kroyki i shit'ya; MARTYNOVA, F.V., prepodavatel kursov kroyki i shit'ya; PANOVA, V.P., prepodavatel kursov kroyki i shit'ya; PANOVA, V.P., prepodavatel kursov kroyki i shit'ya; POMINOVA, M.G., prepodavatel kursov kroyki i shit'ya; SYCHEVA, T.A., prepodavatel kursov kroyki i shit'ya; SYCHEVA, T.A., prepodavatel kursov kroyki i shit'ya; FILANOVICH, O.F., prepodavatel kursov kroyki i shit'ya; BRUNEVSKAYA, M., red.; TRUKHA-NOVA, A., tekhn. red.

[Practical handbook on garment cutting and sewing] Prakticheskoe posobie po kroike i shit'iu. 4. izd. Minsk, Gos.izd-vo BSSR Red. nauchno-tekhn.lit-ry, 1961. 607 p. (MIRA 14:12)

1. Misnskiy Okruzhnoy Dom ofitserov im. K.Ye.Voroshilova i klub im. F.E.Dzerzhisnkogo (for all except Brunevskaya, Trukhanova).

(Dressmaking—Pattern design) (Sewing)

28-58-3-27/39

AUTHORS:

Kazovskiy, Ye.Ya., Zemskova, P.M., and Mytarev, A.M., Engineers

TITLE:

Standardization in the Plant "Elektrosila" (Normali mavoda

"Elektrosila",

PERIODICAL:

Standartizatsiya, 1958, Nr 3, 73-76 (USSR)

ABSTRACT:

A general review of normalization work at the "Elektrosila" Plant is given. The Bureau of Normalization and Standardization (BNS) of the plant plans the work and makes out the drawings and specifications. The plant's norms have about 300 subcribers, at the plant itself and at other enterprises. Some of the subscribers get only certain "knigi normaley" (Standardization). These books are numbered from 1 to 10; the equipment books groups are designated by letters. Book Nr 1 contains recommendations for technical documents, design elements (tolerances, threads, etc.), conventional signs, indications for designers, and organizational information. Book Nr 2, contains the norms for materials. Book Nr 3, the ones for mechanical parts; Book Nr 4 is for electrical parts. Normalization started at "Elektrosila" as early as 1925. The article includes information on the numbers of various norms in use at the plant. The authors point out that the BNS needs methodical regulations for calculating the financial aspects of standardization and suggests special

Card 1/2

Standardization in the Plant "Elektrosila"

28-58-3-27/39

funds for its implementation as well as a payment system that would be an incentive to the staff.

Card 2/2

1. Industrial plants--Standards

Factory standardization and its effectiveness. Elektrosila no.19:
37-47 '60. (Electric equipment industry--Standards)

KAZOVSKIY, Ye.Ya., inzh.; ZEMSKOVA, P.M., inzh.; MYTAPEV, A.M., inzh.

Standardization at the "Elektrosila" Plant. Standartizatsiia 22 no.3:73-76 My-Je '58. (MIRA 11:7) (Standards, Engineering)

SVENTSITSKIY, Ye.I.; LULOVA, N.I.; TARASOV, A.I.; ZEMSKOVA, Ye.I.

Thermochromatographic method for the analysis of hydrocarbon-gases. Zav. lab. 22 no.12:1399-1403 '56. (MLRA 10:2)

(Chromatographic analysis)
(Hydrocarbons)

TARASOV, A.I.; IULOVA, N.I.; KUDRYAVTSEVA, N.A.; ZEMSKOVA, Ye.I.

Chromatographic gas analyzer for laboratories. Izm.tekh. no.8;4749 Ag '60.

(Gases—Analysis)

(Gases—Analysis)

MOROZOVA, O.Ye.; ZEMSKOVA, Z.K.; OSITYANSKAYA, L.Z.; KISLINSKIY, A.N.; PETROV, Al.A.

Part 2: Catalytic dehydroisomerization of alkylcyclopentanes.
Neftekhimiia 2 no.5:676-680 S-0 '62. (MIRA 16:1)

1. Institut geologii i razrabotki goryuchikh iskopayemykh. (Cyclopentane) (Dehydrogenation)

SEVEROV, V.S. (Moskva, ul. 6-go kilometra, d.2, korp. 2, kv.17); UVAROVA, O.A.; ZEMSKOVA, Z.S.; YANCHEVSKAYA, A.A.; DUBROVSKIY, A.V.

Plasmocytomas of the lung. Vestn. khir. Grekov. 90 no.4:14-17 Ap¹63 (MIRA 17:2)

1. Iz khirurgicheskoy kliniki (zav. - prof. L.K.Bogush), patomorfologicheskoy laboratorii (zav. - prof. V.I.Puzik) Instituta tuberkuleza AMN SSSR.

UVAROVA, O.A.; ZEMSKOVA, Z.S.

Healing processes in experimental tuberculosis during the use of preparations of the second series. Probl. tub. 41 no.8:56-62 '63. (MIRA 17:9)

1. Iz patomcrfologicheskoy laboratorii (zav. - prof. V.I.Puz!') TSentral'nogo instituta tuberkuleza (dir. - deystvitel'nyy chlen AMN SSSR prof. N.A.Shmelev) Ministerstva zdravookhraneniya S.SR.

ZEMSKOVA, Z.S.; SERGEYEV, V.V.

resistant mycobacteria tuberculosis. Frobl. tub. no.2267-71 164. (MIRA 17:12) 1. Patemorfologicheskaya (zav. - prof. V.I. Pucik) i mikrobiologicheskaya (2av. - prof. A.I. Kagramanov) laboratorili TSentral'nogo instituta

Phthivazide therapy of experimental tuberculosis caused by phthivazide-

tuberkuleza Ministerstva zdravookhraneniya SSSR (dir. - deystvitel nyy chlen AMN SSSR prof. N.A.Shmelev), Moskva.

GRIGORYAN, V.G.; ZEMSKOVA, Z.S.; LESNAYA, A.A. (Moskva)

Histochemical study of succinic dehydrogenase in tuberculosis. Arkh. pat. 26 no.3:35-39 164.

(MIRA 18:12)

1. Laboratoriya patofiziologii (zav. - prof. G.Ye.Platonov),
laboratoriya patomorfologii (zav. - prof. V.I.Puzik) TSentral'nogo instituta tuberkuleza (direktor - deystvitel'nyy chlen
AMN SSSR prof. N.A.Shmelev) Ministerstva zdravookhraneniya
SSSR.

UTKIN, V.V., kand. med. nauk; ZEMSKO7A, Z.S., kand. med. nauk

Healing process in tuberculosis in monkeys treated with cycloserine. Prob. tub. no.1:69.74 165. (MIRA 18:12)

1. I terapevticheskoye obdeleniye (zav.- deystvitel'nyy chlen AMN SSSR prof. N.A. Shmeler) i patomorfologicheskaya laboratoriya (zav.- prof. V.I. Puzik) TSentral'nogo instituta tuberkuleza Ministerstva zdravookhraneniya SSSR, Moskva.

KARPOV, N.A., kand.tekhn.nauk; BLEKHMAN, I.I., kand.fiz.-matem.nauk, retsenzent; ZEMSKOY V.D., kand.tekhn.nauk, retsenzent; YELISEYEV, V.V., inzh., retsenzent; ORLOVA, I.A., inzh., red.; VOROTNIKOVA, L.F., tekhn.red.

[Light vibratory mathinery for track maintenance and repair; theory, design, construction, and testing] Legkie vibratsionnye putevye mashiny; teoriia, raschet, konstruirovanie i ispytaniia. Moskva, Vses.izdatel'skopoligr. ob"edinenie M-va soobshcheniia, 1962. 311 p. (Moscow, Vsesoiuznyi nauchno-isaledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.245).

(MIRA 16:2)
(Railroads = Equipment and supplies) (Vibrators)

3(4) AUTHOR:

Zemtsev, A. S.

SOV/6-59-3-3/16

TITLE:

The Sighting Point Used in the Moscow Aerogeodetic Center (Vizirnaya tsel', primenyayemaya v Moskovskom AGP)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 3, pp 22-25 (USSR)

ABSTRACT:

In the Moscow AGP a new "sighting point" was constructed by the staff concerned with triangulation work, under the participation of the Engineers Yu. A. Aladzhalov, M. A. Aleksandrov, and others. The observation results obtained by the aid of this instrument are not inferior to those yielded by the sighting cylinders described in the triangulation norms. The advantages offered by the "sighting point" are described here. It allows the phase influence during illumination at various daytimes to be diminished and accuracy in observation is considerably higher. The shaft width of the instrument is visible not as a point through the tube, but as a straight segment. Moreover, the shaft is two-colored: black and white. If it is difficult to direct the tube to the black belt of the shaft, sighting is directed to the white part. Sometimes both parts, the black and white belt, are used. Dimensions and colors of the shart allow a high accuracy in sighting the point. The

Card 1/2

The Sighting Point Used in the Moscow Aerogeodetic Center

sov/6-59-3-3/16

method of Engineer G. A. Krotkov of the Moscow AGP is mentioned. It is a method of sighting by the aid of a shortened perpendicular thread. The image of the "sighting point" visible in the tube is not covered by the thread, as only the end of the black-colored part is covered by the end of the thread. Also as regards the determination of the reduction elements, the sighting point built in the Moscow AGP offers certain advantages, as compared to the sighting cylinder. Differences occurring in observations with the latter are virtually eliminated, as always one and the same point - the central point of the shaft cross section along the white belt - is projected onto the centering sheet. In conclusion, the construction procedure of both types of sighting instruments is briefly described. The construction of the sighting shaft mentioned is relatively simple: it will always be possible to find a tree with a straight trunk in the Tayga. There are 3 figures.

Card 2/2

	Marking fixed no. 11:24-32	points in	mountain taiga regions.	Geod. i kart. (MIRA 13:12	.)
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9,5300

AUTHOR:

Zemtsev, A.

TITLE:

Experience Gathered in Marking Fixed Points in Mountainous

Taiga Areas

PERIODICAL:

Geodeziya i kartografiya, 1960, No. 11, pp. 24-32

TEXT: At the Moskovskoye aerogeodezicheskoye predpriyatiye (Moscow Aerogeodetic Service) investigations were made for the first time in 1959 to compile a map on a scale of 1: 25,000 by using markings and aerial photographs on two scales. Also the most appropriate methods of marking were studied. The terrain to be surveyed was a mountainous taiga with marked mountain chains and deep and narrow valleys. Absolute altitudes were 1400-1800 m, relative altitudes 500-1000 m. The height of trees on the mountain slopes and in the deeper-lying parts was 15-25 m, and 6-10 m on peaks and rocky ground. 1288 fixed points were to be established on a total area of about 11,000 km². 560 of them were marked. The aerial photographs were taken in 1959 and 1960. On the basis of the experience gained, the following was stated: In a wooded terrain with 15 m high trees, Card 1/3

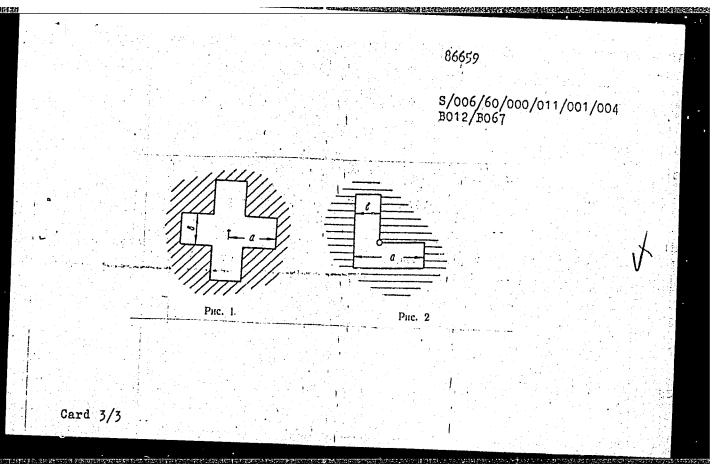
86659

Experience Gathered in Marking Fixed Points in Mountainous Taiga Areas

S/006/60/000/011/001/004 B012/B067

fixed points marked by cross-shaped woodcuttings could be discerned most distinctly on aerial photographs. Woodcuttings of an area of 25 by 20 m appeared as white rhombic spots of blurred outlines. Dimensions of 10 by 30 m and 15 by 30 m are recommended for cross-shaped woodcuttings. An angular woodcutting 30 by 15 m is recommended for sections covered with shrubs. Circular or square markings were not recommended. Wooden signs fastened to trees could not be discerned on aerial photographs. Stone pyramides could hardly be discerned. Also aluminum or canvas signs proved inadequate. Birch trunks arranged in squares, however, could be distinctly discerned on aerial photographs. In sections where tree signs were set up very accurate drawings must be made with measurements until the characteristic points. Generally, it is recommended to clear carefully the places at which markings are to be made, to keep to the fixed measures and shapes, and to attach the fixed points exactly to peaks and turning points of the relief. There are 5 figures and 2 tables.

Card 2/3



ZEMTSEV, Piotr Ivanovich, tsvetovod-lyubitel' (Moskovskaya oblast')

Arazing flowers, IUn.nat. no.4:8-9 Ap '59. (MIRA 12:3)
(Phlox)

VELIK INOV, N. (Chelyabinsk); ZEMTSOV, A.; KAZANTSEV, B. (Leningrad)

Electronic signal light switches. Radio no.4:50-51 Ap '64.

(MIRA 17:9)

GRICOR,	G.G. [deceased]; ZEMTSOV, A.A.	
	Division of Western Siberia into natural regions. Vop. geog. no.55: (MIRA 15:1) (Siberia, WesternPhysical geography)	·

MARUSENKO, Yakov; Il'ich; ZEMTSOV, Aleksey Anisimovich; SEMIYANSKAYA,
Lidiya Pavlovna; PANKOV, Arkadiy Mikhaylovich; MININ, Nikolay
Kondrat'yevich; MORDOVINA, L.G., tekhn. red.

[Hydrography of Western Siberia] Gidrografiia Zapadnoi Sibiri.
Tomsk, Izd-vo Tomskogo univ. Vol.1. [General characteristics of
waters] Obshchaia kharakteristika vod. 1961. 169 p.

(MIRA 14:hl)

(Siberia, Western—Hydrography)

ZEMTSCV, A.A., dots., red.

[Glaciology of the Altai] Gliatsiologiia Altaia. Torsk.
No.3. 1964. 253 p.

1. Tomsk. Universitet.

(MIRA 13:7)

Deep-lying formations of permafrost rocks in Western Siberia. 12v.AN SSSR.Ser.geog. no.4:89-93 J1-Ag 60.

1. Tomskiy gosudarstvennyy universitet.
(Siberia, Western--Frozen ground)

ZEMTSOV, A. A. Cand Geog Sci -- (diss) "Quaternary deposits and geomorphology of the basins of the rivers Taz and Turukham." Tomsk, 1958. 14 pp (Min of Higher Education USSR. Tomsk State Univ im V. V. Kuybyshev), 150 copies. List of author's works, pp 14 (13 titles) (KL, 52-58, 99)

420-

ZEMTSOV, A.A.

Distribution of many-year frezen recks in Western Siberia. Mauch. dokl. vys. shkoly; geol.-geog. nauki no. 3:190-194 '58. (MIRA 12:1)

1. Meskovskiy universitet, geolegicheskiy fakulitet, kafedra merzletevedeniya.

(Siberia, Western--Frezen ground)

Some data on the mineralogical composition of sediments in Mesocenozoic basins of the Taz and Turukhan Rivers. Nauch.dokl.vys. shkoly; geol.-geog.nauki no.1:105-112 '59. (MIRA 12:6)

1. Tomakiy universitet, geologo-geograficheskiy fakul'tet, kafedra obshchey geografii.

(Taz Valley--Mineralogy)

(Turukhan Valley--Mineralogy)

ZEMTSOV, A. A.

Permanently frozen ground in the flood plain of the Yenisey Valley. Trudy Inst. merzl. AN SSSR 19:72-74 162.

(MIRA 16:1)

(Yenisey Valley-Frozen ground)

ZEMTSOV, A.A.

Geologic and geomorphologic study of the Vakh-Taz interfluve.

Trudy TGU 147:57-70 157. (MIRA 16 5)

ZEMISOV, A.A.

New data on frozen ground in Western Siberia. Trudy TGU 147:71-72 (MIRA 16:5)

1. Kafedra obshchey geografii Tomskogo gosudarstvennogo universiteta imeni Kuybysheva. (Siberia, Western—Frozen ground)

ZEMTSOV, A.B.					
	Automatic machine for incising grooves on tubular diamond Optmekh.prom. 25 no.6:42-45 Je '58. (Diamond, Industrial) (Machine tools)	cutters. (MIRA 11:10)			

ZEMTSOV, A. B.

USSR/Physics - Crystallography, Deformation 1 Aug 53

"Complex Manifestation of Plastic Deformation of Single-Crystals, "A. B. Zemtsov, M. V. Klassen-Neklyudova and A. A. Urusovskaya, Inst of Crystallography of Acad Sci USSR

DAN SSSR, Vol 91, No 4, pp 813-816

Special phenomena occurring at fast compression of solid solution of thallium bromide and Tl iodide were revealed by Zemtsov. Plastic deformation was followed by peculiar shifts within the single-crystal depending

272189

on direction of compression. Results are shown on photographs and schematic diagrams. Fresented by Acad A. F. Ioffe 13 Jun 53.

VITOVSKIY, B.V.; ZEMTSOV, A.B.

Isothermic-mirface fusion crystallization outside the heated zone.
Trudy Inst.krist. no.9:349-352 '54.

(Crystallography)

(Crystallography)

(MLRA 7:11)

MERKIN, A.P.; FILIN, A.P.; ZEMTSOV, D.G.

Formation of the macrostructure of cellular concrete. Stroi.mat.
9 no.12:10-12 D '63. (MIRA 17:3)

ZIL'BERFARB, P.M., inzh.; ZEMTSOV, D.G., inzh.; VAYSFEL'D, L.D., inzh.

Effect of some technical factors on the properties of silicate tile. Sbor. trud. ROSNIIMS no.20:90-97 '61. (MIRA 16:1) (Sand-lime products) (Tile)

ZEMTSOV, G.M., prof.

Tomography in the diagnosis of diseases of the pharynx and larynx. Vest. oto-rin. 25 no.4:5-11 J1-Ag 63% (MIRA 17:1)

1. Iz rentgenologicheskogo otdela (zav. - prof. G.M. Zemtsov) Gosudarstvennogo nauchno-issledovatel skogo instituta bolezney ukha, nosa i gorla (dir. - prof. N.A. Bobrovskiy), Moskva.

ZEMTSOV, Grigoriy Mikhaylovich; VOZNESENSKIY, N.L., red.

[X-ray diagnosis of inflammatory diseases of the middle ear] Rentgenodiagnostika vospalitel'mykh zabolevanii srednego ukha. Moskva, Meditsina, 1965. 92 p. (MIRA 18:2)

ACCESSION NR: AP4042845

5/0142/64/007/003/0283/0294

AUTHOR: Neyman, M. S. (Professor); Zemtsov, G. P.

TITLE: Simple method of testing discrete-operation components at high clock frequencies

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 3, 1964, 283-294

TOPIC TAGS: computer component, computer component testing, computer reliability, computer component reliability

ABSTRACT: This method is suggested for testing the reliability of a trigger, logical element, shift register, etc.: The pulse train from the component being tested is applied to a detector and then to a (simple or superheterodyne) radio receiver. After the detection, an amplification at the clock frequency, or its harmonic, and then a second detection may be arranged. An experimental device (see Enclosure 1) used for testing an r-f pulse trigger consisted of the trigger

Card 1/3

ACCESSION NR: AP4042845

proper Tr, a detector D for isolating the r-f-pulse envelope, a superheterodyne receiver R tuned to the clock frequency, and an indicator I which served to measure the voltage across the receiver detector. The trigger included a tunnel diode with an additional inductance and coupling capacitors. The effects of the supply voltage on the reading of the indicator, for various modulation voltages and at clock frequencies of 70, 130, 140, and 150 Mc, were determined experimentally (curves supplied). It was found that the tested tunnel-diode trigger reliably operated at clock frequencies up to 130 Mc, with a carrier-frequency to clock-frequency ratio of 13.5. The method permits the testing of components not only for flip-flop operation but also for cycles such as: 101010, 100100100, 110110110, etc. Orig. art. has: 12 figures.

ASSOCIATION: none

SUBMITTED: 25Mar63

ENCL: 01

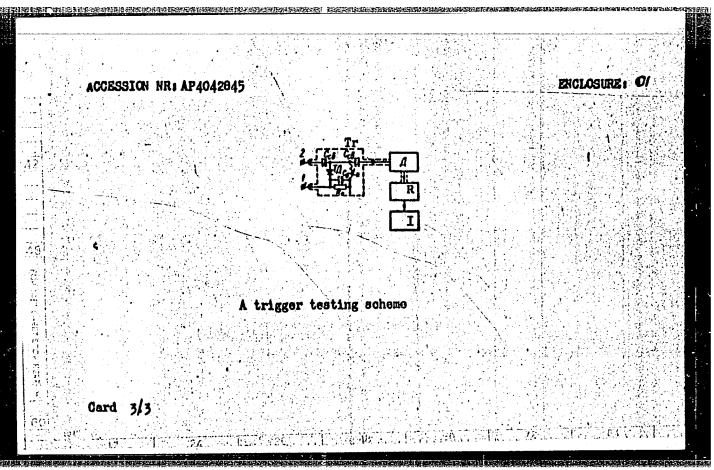
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NO REF SOV: 003

OTHER: 000

Card 2/3

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001964420014-0



s/0142/63/006/006/0648/0657

ACCESSION NR: AP4012361

AUTHOR: Zemtsov, G. P.

TITLE: Investigation of amplitude flipflop using a circuit with

nonlinear p-n junction capacitance

SOURCE: IVUZ. Radiotekhnika, v. 6, no. 6, 1963, 648-657

TOPIC TAGS: Flipflop, multivibrator, trigger circuit, amplitude flipflop, nonlinear capacitance, nonlinear diode junction capacitance logical circuit elements, and element, or element, not element, nor element, binary circuit element, junction capacitance

The possibility of realizing an amplitude flipflop by using a resonant circuit with the nonlinear p-n junction capacitance of a D7-G semiconductor diode at relatively low frequencies and high pumping amplitudes is investigated. Several methods of triggering the flipflop by means of an external signal were tested: application of a video pulse to the diode bias circuit, application of a periodic signal with frequency lower than the pumping frequency to the bias

Card 1/3

ACCESSION NR: AP4012361

circuit, variation of the pumping amplitude, and triggering of the flip-flop from a stable state with low amplitude to a stable state with high amplitude. It is shown that such circuits can be used for the transmission of binary information in digital circuitry and for the realization of logical NOT, NOR, AND, and OR elements. Orig. art. has; 18 figures and 7 formulas.

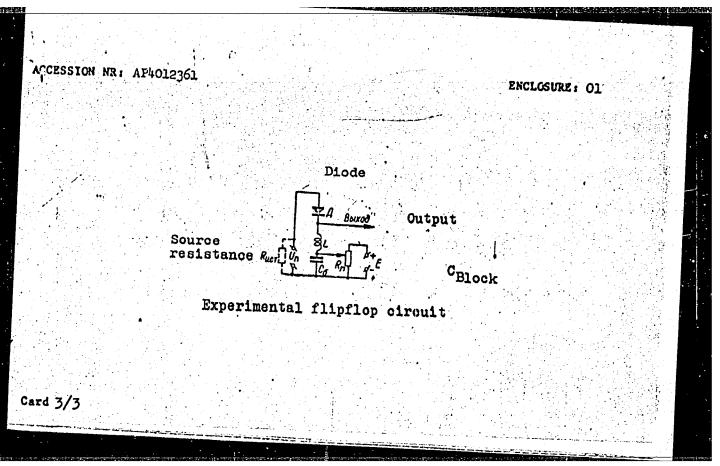
ASSOCIATION: Moskovskiy aviatsionny*y institut (Moscow Aviation

Institute)

SUBMITTED: 25Mar63 DATE ACQ: 14Feb64 ENCL: 01

SUB CODE: GE. SD NO REF SOV: 003 OTHER: 001

curd 2/3



ZEMTSOV, Grigoriy Mikhaylovich Name:

Dissertation: The role of the X-ray method of

examination in cases of cancerous diseases of the throat and larynx

Degree: Doc Med Sci

State Sci Res Inst of Ear, Throat and Nose of the Min of Health RSFSR Affiliation:

Defense Date, Place: 14 May 56, Council of State Sci Res Inst of Roentgenology and Radiology

Certification Date: 16 Mar 57

Source: BMVO 13/57

ZEMTSOV, Grigoriy Mikhaylo, prof.; VOLKOV, Yu.N., red.; POGOSKINA, M.V., tekhn. red.

[X-ray diagnosis of cancerous tumors of the pharynx and larynx]
Rentgenodiagnostika rakovykh opukholei glotki i gortani. Moskva,
Gos, izd-vo med. lit-ry Medgiz, 1960. 147 p. (MIRA 14:9)
(PHARYNX—CANCER) (LARYNX—CANCER) (NECK—RADIOGRAPHY)

ZEMTSOV, O.M.: YUMINA, A.I.

Peculiarities of external respiration in tracheotomy patients. Trudy gos.nauch.-issl.inst.ukha, gorla i nosa. 6:341-357 '55. (MIRA 12:10)

1. Iz Gosmarstvennogo nauchno-issledovatel skogo instituta ukha, gorla i nosa i Klinicheskoy ordena Lenina bol'nitsy imeni S.P.Botkina.

(RESPIRATION) (TRACHEA -- SURGERY)

ZEMTSOV, G.M., kand.med.nauk; AMDURSKAYA, TS.A., kand.med.nauk

Clinical aspects of the course of submicous cancers of the pharynx and of the space below the vocal cords. Trudy gos. nauch.-issl.inst.ukhu, gorla i nosa. 6:358-361 '55.

(HIRA 12:10)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta ulcha, gorla i nosa i Klinicheskoy ordena Lenina hol'nitsy imeni S.P.Botkina.

(PHARYNX -- CANCER)

LEMISON, G.M.

REYNBERG, S.A., prof., zasluzhennyy deyatel nauki; ZEMTSOV, G.M., doktor med.nauk

New methods of X-ray diagnosis of parathyroid adenomas. Khirurgiia 34 no.1:37-43 Ja 58. (MIRA 11:3)

1. Iz kafedry rentgenologii i radiologii TSentral'nogo instituta usovershenstvovaniya vrachey (zav.-zasluzhennyy deyatel' nauki prof. S.A.Reynberg) i rentgenologicheskogo otdeleniya Gosudarstvennogo nauchno-issledovatel'skogo instituta ukha, gorla, i nosa (zav.-doktor meditsinskikh nauk G.M.Zemtsov) na baze Moskovskoy gorodskoy ordena Lenina klinicheskoy bol'nitsy imeni S.P.Botkina. (PARATHYROID GLAND, neoplasms.

x-ray diag. (Rus)

MAIMORSHTEYN, S.Ya.; ZEMTSOV, G.M., zaveduyushchiy; CHESNOKOV, S.A., glavnyy vrach.

Roentgenographic test of live- and stillbrith. Vest.rent.i rad. no.2:62-64 Mr-Ap '53. (MLRA 6:6)

1. Rentgenovskoye otdeleniye Klinicheskoy ordena Lenina bol'nitsy imeni S.P. Botkina (for Marmorshteyn, Zemtsov). 2. Klinicheskaya ordena Lenina bol'nitsa imeni S.P. Botkina (for Chesnokov). (Diagnosis, Radioscopic) (Stillbirth) (Obstetrics--Apparatus and instruments)

NEYMAN, M.S.; ZEMTSOV, G.P.

Study of the logic elements of an amplitude sampled-data control system. Izv. vys. ucheb.; radiotekh. 5 no.1:16-25
Ja-F 162. (MIRA 15:5)

1. Rekomendovana kafedroy Moskovskogo aviatsionnogo instituta imeni Sergo Ordzhonikidze. (Automatic control)

37408 5/142/62/005/001/001/012 E140/E435

Neyman, M.S., Zemtsov, G.D. An investigation of logical elements for digital AUTHORS:

automata using amplitude script

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiotekhnika.

v.5, no.1, 1962, 16-25

The authors describe an experimental study of circuit elements for carrier-amplitude logic. "For greater simplicity and clarity the first experiments were carried out using vacuum triodes and a relatively low frequency of oscillation". The system described consists of stiff-feedback oscillators with a heavy fixed grid bias which maintains them cut-off except when triggered into oscillation by the simultaneous presence of a The latter is high-frequency input and a reduction of the bias. The bias, resonant frequencies and coupling arrangements are adjusted to permit the used to control the clock relations. following logical operations: (with two inputs only) AND, OR, EXCLUSIVE OR, and (with one input only) NOT (negation). carrier frequency of the experimental elements was 750 kcs, the clock frequency 50 cps (sic). The circuits are not unilateral, Card 1/2

CIA-RDP86-00513R001964420014-0 APPROVED FOR RELEASE: 07/19/2001

ACC NR: AP6031626 SOURCE CODE: UR/0108/66/021/009/0071/0073 AUTHOR: Zemtsov, G. P. (Active member). Scientific-Technical Society of Radio Engineering and Telecommunications im. A. S. Popov (Nauchno-tekhnicheskiye obshchestvo radiotekhniki i elektrosvyazi) TITLE: Logic elements based on AD-type flip-flops SOURCE: Radiotekhnika, v. 21, no. 9, 1966, 71-73 TOPIC TAGS: logic circuit, flip flop circuit, computer circuit ABSTRACT: Logic circuits based on AD-type (i.e., utilizing a pair of tunnel diodes) dynamic flip-flops are described. Typical of these circuits is the dual-input NOR In1 A two-input NOR gate In_2 Card UDC: 621.374.3

ACC NRI ADG		***						Maritana e e e e e e e e e e e e e e e e e e
AP6	031626	Table	1. Perfo	ormance d	haracter: circuits	istics		
	Logic Cir- cuit	Diode type	Output Circuit frequency GH ₂	Clock	Bias ' Voltage	Peak Current percent difference	Independent blas voltage tolerances %	
	OR	ZIZOIV		50	$U_{\tau} = 0.1$ $E = 0.2$, 6	$\frac{\Delta U_{\uparrow}}{U_{\uparrow}} = \pm 12$ $\frac{\Delta E}{E} = \pm 4$	
	NOR	ZIZOIV	0,8	40	$U_{\rm f} = 0.04$ $E = 0.2$	5	$\frac{\Delta U_{\uparrow}}{U_{\uparrow}} = \pm 12$ $\frac{\Delta E}{E} = \pm 14$	
	not	ZIZOIV-	0,0	40	$U_{\tau} = 0.04$ $E \approx 0.2$	5	$\frac{\Delta U_{\tau}}{U_{\tau}} = \pm 11$ $\frac{\Delta E}{E} = \pm 5$	
 Card 2/3								

ACC NR. AP6031626

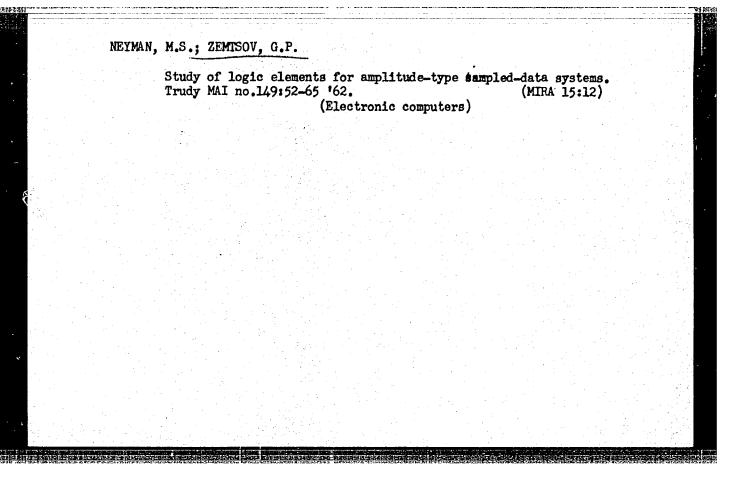
gate shown in Fig. 1. The design of this circuit must insure that the peak current of the $\rm D_3$ tunnel diode is always less than the sum of the peak currents of $\rm D_1$ and $\rm D_2$ diodes. Other parameters for this circuit are: L = 5 nhy, $\rm C_p$ = 40 pf, and r = 10 ohms. Two other circuits are described, the INHIBIT and the OR, both of which may act as AND circuits if majority threshold logic is used, but this operation places very stringent tolerances on the peak current of the tunnel diodes. The NOR, OR, and NOT logic circuits were tested using a 40-50 Mc sinnusoidal clock signal. The test signals were derived from an AD3-type flip-flop, and the operation of the circuits was checked by observing their output envelopes on an S1-10 oscillograph. The results are summarized in Table 1 (E and $\rm U_T$ are the dc and sine bias supply components, respectively). Orig. art. has: 3 figures and 1 table.

SUB CODE: 09/ SUBM DATE: 21Jun65/ ORIG REF: 002/

Card 3/3

NEYMAN, M.S.; TELYATNIKOV, L.I.; ZEMTSOV, G.P.

Study of triggers and shift registers for amplitude-type sampled-data systems. Trudy MAI no.1/9:23-37 '62. (MIRA 15:12) (Pulse techniques (Electronics)) (Electronic computers)



NEYMAN, M.S.; ZEMTSOV, G.P.

Amplitude triggers using tunnel diodes. Radiotekhnika 18 no.1:40-47 Ja '63. (MIRA 16:2)

1. Deystvitel nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova. (Electric networks) (Pulse circuits)

S/142/61/004/004/001/018 E192/E382

9,7500

如理的科技和使用可谓是社会医院和社会设计和图式和代码工作和特别的对数。

Neyman, M.S., Telyatnikov, L.I. and Zemtsov, G.P.

AUTHORS:

Investigation of flip-flops and registers for the

TITLE:

amplitude system of digital computing

Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 4, no. 4, 1961, 388 - 397 PERIODICAL:

One of the authors analyzed in two earlier papers (Ref. 1 - Radiotekhnika, 1960, 15, no. 3, 7; Ref. 2 - -do-TEXT: No. 10, 3) the general problems of designing digital-computing elements based on radio pulses instead of the usual video pulses. Such systems can use amplitude, frequency, phase and combined methods of recording and processing of information. Some experimental results of an investigation of the basic amplitude-type binary systems are described in the following. The elements of the flip-flops and registers are based on overexcited oscillators. The experimental oscillator was based on a vacuum tube, type 648 (6N8), with series supply in the grid and parallel supply in the anode circuit. The oscillator operated at a frequency of 7 Mc/s. One of the important

Card 1/6

31980 \$/142/61/004/004/001/018 E192/E382

Investigation of flip-flops

characteristics of such an oscillator is its output voltageat the grid circuit as a function of the negative amplitude U bias applied to the grid, with the mode voltage Ea parameter. A set of such control. curves for various shown in Fig. 15 for the coupling coefficient K = 1.8 (coupling between anode and grid circuits). It is seen that, depending on the grid bias voltage, the oscillator can behave as a bistable element. On the basis of Fig. 1, it is possible of the bistable zone for various to determine the width ΔE_g anode voltages. It was also found experimentally that the amplitude of the oscillations was a loop-form function of the anode supply voltage. The width of the bistable zone as a function of the anode voltage is greater than the width as a function of the grid bias voltage. Changeover of the above type of flip-flop (switching circuit) can be effected by means of an external video pulse, radio pulse or both, provided the system operates within the bistable zone. If the triggering is Card 2/6

31980 S/142/61/004/004/001/018 E192/E382

Investigation of flip-flops

done by a radio pulse, this should produce forced oscillations in the system, whose amplitude should exceed a certain threshold level. Further, the radio pulse should transfer to the system an energy not less than $(1/2)\,\mathrm{CU}^2$, where U is the amplitude of the threshold voltage and C is the equivalent capacitance of the oscillatory system. The fact that the amplitude-type flip-flop can be controlled either by a radio pulse or by changing its supply voltage can be taken into account in the design of a binary register with an amplitude system of information-storage. Triggering of the flip-flop by means of radio pulses makes it possible to transfer the "state" of a preceding flip-flop to the next unit, while by using video-pulse modulation at the supply side each flip-flop can be returned to its original state. In the case of triode flip-flops, the modulation can be effected at the anode as well as at the grid. The registers can be of the following three types, depending on the inter-coupling elements between the flip-flops; a) register with delay lines; b) register with two flip-flops in each stage and c) register with three flip-flops in each

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31980 S/142/61/004/004/001/018 E192/E382

Investigation of flip-flops

stage. The first flip-flop A is the fundamental element in the register of the second type, while the second trigger B forms the coupling element. The modulating voltage is applied to the fundamental and coupling elements in anti-phase. The modulating voltage is applied to the elements with a phase-shift of 120 in the case of a three-flip-flop register. A register element of the second type was investigated experimentally, the circuft diagram of the system being shown in Fig. 13. The potentiometers R in the circuit were used for setting the mean levels of the blases and the amplitudes of the modulating voltage for each of the oscillators. The lefthand-side oscillator was triggered by an external source, operating at 7 Mc/s. The righthand-side oscillator was triggered by radio pulses derived from the lefthand-side oscillator via the capacitances CCB1 The diode was employed and the diode A connected in parallel. principally for directional decoupling of the system. The experiments showed that a satisfactory operation requires that the directional decoupling be at least 10. If the decoupling were lower, a spurious triggering of the lefthand-side oscillator Card 4/85

Investigation of flip-flops

31980 5/142/61/004/004/001/018 E192/E382

by the righthand-side oscillator could take place. The above experiments confirmed the possibility of employing the amplitude-type binary switching circuits and registers as reliable computing elements.

There are 14 figures and 8 references: 4 Soviet-bloc and 4 non-Soviet-bloc. The four English-language references mentioned are: Ref. 3 - E. Goto - PIRE, 1959, 47, no. 8, 1304; Ref. 4 - R.L. Wigington - PIRE, 1959, 47, no. 4, 516; Ref. 5 - F. Sterzer - PIRE, 1959, 47, no. 8, 1317;

Ref. 6 - Transactions of IRE, 1959, EC-8, no. 3.

ASSOCIATION: Kafedra Moskovskogo aviatsionnogo instituta

im. Sergo Ordzhonikidze (Department of Moscow

Aviation Institute im. Sergo Ordzhonikidze)

SUBMITTED:

December 6, 1960

Card 5/6

L 21289-66 ENT(1)/EA(h) ACC NR. AP6007152

SOURCE CODE: UR/0108/66/021/ 002/0045/0050

AUTHOR: Zemtsov, G. P. (Active member)

38

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Tunnel-diode r-f-pulse-height triggers with internal pulse rectification

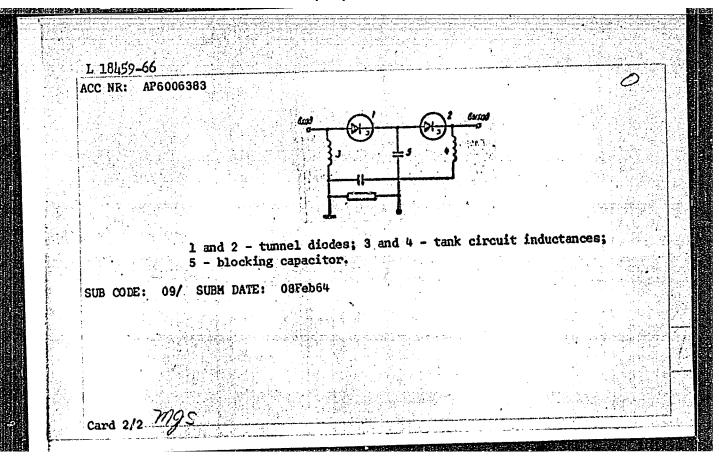
SOURCE: Radiotekhnika, v. 21, no. 2, 1966, 45-50

TOPIC TAGS: tunnel diode, tunnel diode trigger

ABSTRACT: R-f-pulse-height triggers (RPT) may be switched with a frequency as high as 130 Mc but they require special selection and matching of individual tunnel diodes. As the characteristics of commercial tunnel diodes are widely spread, only a small percentage of the many available can be selected. To avoid this difficulty,

· 李科·西尔·公子·西尔·苏尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔·西尔	电影性的影響的影響的影響	建设计划,以外的基础的基础的。	
21289-66			
NR. AP6007152		• Carlos de la Secución	
peak currents; (2) The maximum cl	ock frequency f	aw Sord at	
two woods committions, the Roll v	45 (m (m 2 2 2 m 1.	- 4 4 4 4	
And of tespectively	A CETA BECFERS	i lz figures a	nd (5 formules.
ODE: 09/ SUBM DATE: 11May65/ ORIG			[03]
ODDA: 09/ 805M DATE: 11May65/ ORIG	REF: 003/ ATD	PRESS: 4222	
	对社员		

L·18159-66 EWT(d)/EWP(1) I. ACC NR: AP6006383	JP(c) BB/GG	
INVENTOR: Gol'berg, I. Ye.; Zen	ntsov, G. P.; Telvatnikov	13/66/000/002/0115/0116 L. I. <u>52</u>
ORG: none PITLE: An rf pulse-amplitude fl	interesting page and interesting	$\boldsymbol{\beta}$
OURCE: Izobreteniya, promyshle 16	nnyye obraztsy, tovarnyye	znaki, no. 2, 1966, 115-
OPIC TAGS: flip flop circuit,	tunnel diode, rf pulse, lo	gic element
BSTRACT: This Author's Certific ased on tunnel diodes. To provi implify the design of logic circ ake up two tank circuits, two se and a blocking capacitor for high odification of this flip-flop wh	cuits, the device contains eries-connected tunnel dioc	two inductances which les in the supply circuit
odification of this flip-flop whe input and output for high fre	Target decoupting of f	ne tank circuits. 2. A
rd 1/2	en e	



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ZEMTSOV, L. (Ufa); LAKHOVA, V. (Ufa)

36 no.11:29 N '62. We use hidden potentialities. Sov. torg. (MIRA 16:1)

 Direktor Kirovskogo raypishchetorga (for Zemtsov).
 Nachal'nik planovogo otdela Korovskogo raypishchetorga (for Lakhova).

(Ufa-Grocery trade)

ZEMTSOV	'. M.A.				
	Promote organ	izational work.	Mashinostroitel'	no.4:43 Ap	163. IRA 16:5)
		(Udmurt A.S.S	S.R.—Technological	innovations)	
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